

AMENDMENTS TO THE ABSTRACT

Please delete the current Abstract and substitute the following Abstract:

A method of implementing a diffusion replica delay circuit is provided in a device with a device capacitance and operational characteristics. A diffusion replica capacitor is coupled to the device and is capable of storing a predetermined replica charge representative of a selected device operational characteristic, and a diffusion replica transistor is coupled with the diffusion replica capacitor, and is coupled between the diffusion replica capacitor and a charge sink. The transistor is disposed to control the magnitude of the predetermined replica charge.